National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-G1 AREA:FLOOR 1

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	
Model Num	CSAA	CSAA021UA
Configuration	-	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	2@ 7.5
Motor Rpm	-	1800
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	10225	
SF RPM	2312	
RA CFM	6775	
OA CFM	3450	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	78.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	13.096	

Performance Data		
	Design	**Actual**
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2.000	
Fan Total SP	4.811	
Pre-Filter P.D.	0.70	
Cooling Coil P.D.	0.96	
Heating Coil P.D.	0.04	

National TAB

Project:CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

AHU/RTU

VAV - Single Duct

AHU-G1/FLOOR 1

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
G1-G100	TRANE	VCWF06	REHEAT	6	350		175		175		
G1-G109	TRANE	VCWF08	REHEAT	8	550		225		225		
G1-G111	TRANE	VCWF04	REHEAT	4	125		50		100		
G1-G112	TRANE	VCWF04	REHEAT	4	75		40		75		
G1-G113	TRANE	VCWF04	REHEAT	4	200		100		100		
G1-G115	TRANE	VCWF04	REHEAT	4	200		100		100		
G1-G117	TRANE	VCWF04	REHEAT	4	125		50		100		
G1-G118	TRANE	VCWF04	REHEAT	4	75		40		75		
G1-G119	TRANE	VCWF06	REHEAT	6	250		125		125		
G1-G120	TRANE	VCWF04	REHEAT	4	75		40		75		
G1-G121	TRANE	VCWF04	REHEAT	4	125		75		75		
G1-G124	TRANE	VCWF10	REHEAT	10	525		275		275		
G1-G128	TRANE	VCWF10	REHEAT	10	600		300		300		
G1-G129	TRANE	VCWF08	REHEAT	8	525		275		275		
G1-G130	TRANE	VCWF10	REHEAT	10	625		325		325		
G1-G131	TRANE	VCWF10	REHEAT	10	675		325		325		
G1-G132	TRANE	VCWF12	REHEAT	12	1150		575		575		
G1-G134	TRANE	VCWF10	REHEAT	10	600		300		300		
G1-G136	TRANE	VCWF10	REHEAT	10	725		325		350		
G1-G137	TRANE	VCCF08	REHEAT	8	575		300		0		
G1-G140	TRANE	VCWF10	REHEAT	10	700		350		350		
G1-G141	TRANE	VCWF10	REHEAT	10	625		325		325		
G1-G142	TRANE	NA	REHEAT	6	225		125		125		
G1-G143	TRANE	VCWF04	REHEAT	4	75		40		75		
G1-G144	TRANE	VCWF04	REHEAT	4	75		40		75		
G1-G145	TRANE	VCWF04	REHEAT	4	200		100		150		
G1-G130A 1	TRANE	VCWF08	REHEAT	8	300		150		150		

Diffuser Supply (GRD)

G1-G100/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
100-1	G101 CORRIDOR	S-1	6	75			-
100-2	G100A STAFF VEST	S-1	6	100			-
100-3	G100 STUDENT VEST	S-2	8	175			-
Total				350	0	0	0%

G1-G109/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
109-1	G108 VISITOR VEST	S-2	8	150			-
109-2	G109 RECEPTION	S-1	6	100			-
109-3	G109 RECEPTION	S-1	6	100			-
109-4	G109 RECEPTION	S-1	6	100			-
109-5	G109 RECEPTION	S-1	6	100			-
Total				550	0	0	0%

G1-G111/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
111-1	G111 SECRETARY	S-1	6	125			-
Total				125	0	0	0%

G1-G112/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
112-1	G112 AP OFFICE	S-1	6	75			-
Total				75	0	0	0%

G1-G113/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
113-1	G113	S-1	6	100			-
113-2	G113	S-1	6	100			-
Total				200	0	0	0%

G1-G115/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
1151	G115 CONF RM	S-1	6	100			-
1152	G115 CONF RM	S-1	6	100			-
Total				200	0	0	0%

G1-G117/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
117-1	G117 PRINCIPAL	S-2	8	125			-
Total				125	0	0	0%

G1-G118/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
118-1	G118 AUDITIONS	S-1	6	75			-
Total				75	0	0	0%

G1-G119/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
119-1	G119 ADMIN WORKROOM	S-1	6	125			-
119-2	G119 ADMIN WORKROOM	S-1	6	125			-
Total				250	0	0	0%

G1-G120/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
120-1	G120 FINANCE OFFICE	S-1	6	75			-
Total				75	0	0	0%

G1-G121/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
121-1	G121 OFFICE	S-1	6	75			-
121-2	G110 CORRIDOR	S-1	6	50			-
Total				125	0	0	0%

G1-G124/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
124-1	G124 SCULPTURE	S-2	8	125			-
124-2	G124 SCULPTURE	S-2	8	125			-
124-3	G128A ART STORAGE	S-1	6	50			-
124-4	G124 SCULPTURE	S-2	8	125			-
124-5	G124 SCULPTURE	S-2	8	150			-
Total				575	0	0	0%

G1-G128/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
128-1	G128 CERAMICS	S-2	8	150			-
128-2	G128 CERAMICS	S-2	8	150			-
128-3	G128 CERAMICS	S-2	8	150			-
128-4	KILNS	S10		175			-
128-5	G128 CERAMICS	S-2	8	150			-
Total				775	0	0	0%

G1-G129/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
129-1	G129 ITINERANT SERVICES	S-1	6	175			-
129-2	G138B MENS RR	S-1	6	75			-
129-3	G123 BOOK STORAGE	S-1	6	50			-
129-4	G122 GALLERY/COLLAB	S-2	8	75			-
129-5	G138A WOMEN RR	S-1	6	75			-
129-6	G102 CORRIDOR	S-1	6	75			-
Total				525	0	0	0%

G1-G130/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
130-1	G132A STORAGE	S-10	12X6	50			-
130-2	G130 CONTROL RM	S-3	10	275			-
130-3	G130 CONTROL RM	S-3	10	300			-
Total				625	0	0	0%

G1-G131/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
131-1	G131 MS SCIENCE	S-2	8	150			-
131-2	G131 MS SCIENCE	S-2	8	150			-
131-3	G102 CORRIDOR	S-1	6	75			-
131-4	G131 MS SCIENCE	S-2	8	150			-
131-5	G131 MS SCIENCE	S-2	8	150			-
Total				675	0	0	0%

G1-G132/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
132-1	G132 GALLERY	S-2	8	200			-
132-2	G132 GALLERY	S-2	8	150			-
132-3	G132 GALLERY	S-2	8	200			-
132-4	G132 GALLERY	S-2	8	200			-
132-5	G132 GALLERY	S-2	8	200			-
132-6	G132 GALLERY	S-2	8	200			-
Total				1150	0	0	0%

G1-G134/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
134-1	G134 EC/GEN CLASS	S-2	8	150			-
134-2	G134 EC/GEN CLASS	S-2	8	150			-
134-3	G134 EC/GEN CLASS	S-2	8	150			-
134-4	G134 EC/GEN CLASS	S-2	8	150			-
Total				600	0	0	0%

G1-G136/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
136-1	G136 MS SCIENCE	S-1	6	75			-
136-2	G136 MS SCIENCE	S-2	8	150			-
136-3	G136 MS SCIENCE	S-2	8	150			-
136-4	G136 MS SCIENCE	S-2	8	150			-
136-5	G136 MS SCIENCE	S-2	8	150			-
136-6	G133 PREP	S-1	6	50			-
Total				725	0	0	0%

G1-G137/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
137-1	G137 MDF	S-11		575			-
Total				575	0	0	0%

G1-G140/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
140-1	G140 GEN CLASS	S-2	8	175			-
140-2	G140 GEN CLASS	S-2	8	175			-
140-3	G140 GEN CLASS	S-2	8	175			-
140-4	G140 GEN CLASS	S-2	8	175			-
Total				700	0	0	0%

G1-G141/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
141-1	G141 GEN CLASS	S-2	8	150			-
141-2	G141 GEN CLASS	S-2	8	150			-
141-3	G141 GEN CLASS	S-2	8	150			-
141-4	G141 GEN CLASS	S-2	8	175			-
Total				625	0	0	0%

G1-G142/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
142-1	G142 NURSE	S-1	6	100			-
142-2	G142 NURSE	S-1	6	125			-
Total				225	0	0	0%

G1-G143/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
143-1	G143 REGISTRAR	S-1	6	75			-
Total				75	0	0	0%

G1-G144/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
144-1	G144 SRO	S-1	6	75			-
Total				75	0	0	0%

G1-G145/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
145-1	G145 PARENTS RM	S-1	6	100			-
145-2	G145 PARENTS RM	S-1	6	100			-
Total				200	0	0	0%

G1-G130A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
130A-1	G130B ISOLATION BOOTH	S-1	6	75			-
130A-2	G130A RECORDING STUDIO	S-1	6	100			-
130A-3	G130A RECORDING STUDIO	S-1	6	100			-
130A-4	G130C STORAGE	S-1	6	25			-
Total				300	0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-G2 AREA:FLOOR 2

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	
Model Num	CSAA	CSAA021UA
Configuration	-	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	2 @ 7.5
Motor Rpm	-	1800
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	10775	
SF RPM	2181	
RA CFM	6025	
OA CFM	4750	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	74.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	13.699	

Performance Data		
	Design	**Actual**
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2.28	
Fan Total SP	5.01	
Pre-Filter P.D.	0.71	
Cooling Coil P.D.	1.05	
Heating Coil P.D.	0.05	

VAV - Single Duct

AHU-G2/FLOOR 2

Asset											
Asset Name	**MFG**	**Model Num**	**Type**	**Inlet Size**	**Design Max CFM**	**Max CFM**	**Design Min CFM**	**Min CFM**	**Design Heat CFM**	**Heat CFM**	**Ak (max)**
G2-G208	TRANE	VCWF04	REHEAT	4	175		100		150		
G2-G209	TRANE	VCWF04	REHEAT	4	125		75		100		
G2-G210	TRANE	VCWF04	REHEAT	4	125		75		100		
G2-G211	TRANE	VCWF04	REHEAT	4	125		75		100		
G2-G213	TRANE	VCWF04	REHEAT	4	200		100		150		
G2-G214	TRANE	VCWF04	REHEAT	4	225		125		150		
G2-G215	TRANE	VCWF04	REHEAT	4	150		75		150		
G2-G216	TRANE	VCWF04	REHEAT	4	125		75		100		
G2-G217	TRANE	VCWF04	REHEAT	4	125		75		100		
G2-G220	TRANE	VCWF06	REHEAT	6	300		150		150		
G2-G223	TRANE	VCWF06	REHEAT	6	275		150		150		
G2-G224	TRANE	VCWF10	REHEAT	10	725		375		375		
G2-G227	TRANE	VCWF10	REHEAT	10	625		325		325		
G2-G228	TRANE	VCWF10	REHEAT	10	725		375		375		
G2-G230	TRANE	VCWF10	REHEAT	10	675		350		350		
G2-G231	TRANE	VCWF08	REHEAT	10	625		325		325		
G2-G232	TRANE	VCWF10	REHEAT	10	775		375		375		
G2-G233	TRANE	VCCF08	REHEAT	8	575		300		0		
G2-G234	TRANE	VCWF10	REHEAT	10	700		350		350		
G2-G236	TRANE	VCWF10	REHEAT	10	700		350		350		
G2-G239	TRANE	VCWF10	REHEAT	10	700		350		350		
G2-G240	TRANE	VCWF10	REHEAT	10	625		325		325		
G2-G241	TRANE	VCWF10	REHEAT	10	625		325		325		
G2-G242	TRANE	VCWF10	REHEAT	10	625		325		325		
G2-G210A 1	TRANE	VCWF06	REHEAT	6	325		175		175		

Diffuser Supply (GRD)

G2-G208/FLOOR 2

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
208-1	G208 GUIDANCE	S-1	6	100			-
208-2	G208 GUIDANCE	S-1	6	75			-
Total				175	0	0	0%

G2-G209/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
209-1	G209 COUNSELOR	S-2	8	125			-
Total				125	0	0	0%

G2-G210/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
210-1	G210 COUNSELOR	S-2	8	125			-
Total				125	0	0	0%

G2-G211/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
211-1	G211 COUNCELOR	S-2	8	125			-
Total				125	0	0	0%

G2-G213/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
213-1	G213 COUNSELOR	S-1	6	125			-
213-2	G212 FILE RM	S-1	6	75			-
Total				200	0	0	0%

G2-G214/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
214-1	G214 CONFERENCE RM	S-1	6	100			-
214-2	G214 CONFERENCE RM	S-2	8	125			-
Total				225	0	0	0%

G2-G215/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
215-1	G125 CAREER CENTER	S-1	6	75			-
215-2	G125 CAREER CENTER	S-1	6	75			-
Total				150	0	0	0%

G2-G216/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
216-1	G216 SOCIAL WORKER	S-2	8	125			-
Total				125	0	0	0%

G2-G217/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
217-1	G217 TESTING	S-2	8	125			-
Total				125	0	0	0%

G2-G220/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
220-1	G220B WELLNESS B	S-1	6	75			-
220-2	CORRIDOR	S-1	6	75			-
220-3	G220 WELLNESS RM	S-1	6	75			-
220-4	G220A WELLNESS A	S-1	6	75			-
Total				300	0	0	0%

G2-G223/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
223-1	G223 COLLABORATION	S-2	8	125			-
223-2	G237A WOMEN RR	S-1	6	75			-
223-3	G237B MENS RR	S-1	6	75			-
Total				275	0	0	0%

G2-G224/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
224-1	G224 DRAW/PAINT	S-2	8	175			-
224-2	G224 DRAW/PAINT	S-2	8	150			-
224-3	G224 DRAW/PAINT	S-2	8	175			-
224-4	G224A STORAGE	S-1	6	50			-
224-5	G224 DRAW/PAINT	S-2	8	175			-
Total				725	0	0	0%

G2-G227/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
227-1	G229 PREP	S-1	6	50			-
227-2	G227 HS CHEMISTRY	S-1	6	100			-
227-3	G227 HS CHEMISTRY	S-1	6	75			-
227-4	G227 HS CHEMISTRY	S-1	6	100			-
227-5	G227 HS CHEMISTRY	S-1	6	100			-
227-6	G227 HS CHEMISTRY	S-1	6	100			-
227-7	G227 HS CHEMISTRY	S-1	6	100			-
Total				625	0	0	0%

G2-G228/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
228-1	G228 PRINTMAKING	S-2	8	150			-
228-2	G228 PRINTMAKING	S-2	8	175			-
228-3	G228A ART STORAGE	S-1	6	50			-
228-4	G228 PRINTMAKING	S-2	8	175			-
228-5	G228 PRINTMAKING	S-2	8	175			-
Total				725	0	0	0%

G2-G230/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
230-1	G230A STORAGE	S-1	6	25			-
230-2	G230 GEN CLASS	S-2	8	150			-
230-3	G230 GEN CLASS	S-2	8	150			-
230-4	G230 GEN CLASS	S-2	8	175			-
230-5	G230 GEN CLASS	S-2	8	175			-
Total				675	0	0	0%

G2-G231/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
231-1	G231 HS SCIENCE	S-1	6	125			-
231-2	G231 HS SCIENCE	S-1	6	125			-
231-3	G204 CORRIDOR	S-1	6	100			-
231-4	G231 HS SCIENCE	S-1	6	100			-
231-5	G231 HS SCIENCE	S-1	6	125			-
231-6	G227A PREP	S-1	6	50			-
Total				625	0	0	0%

G2-G232/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
232-1	G232 GEN CLASS	S-2	8	175			-
232-2	G232 GEN CLASS	S-2	8	200			-
232-3	G232 GEN CLASS	S-2	8	200			-
232-4	G232 GEN CLASS	S-2	8	200			-
Total				775	0	0	0%

G2-G233/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
233-1	G233 IDF	S-11		575			-
Total				575	0	0	0%

G2-G234/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
234-1	G234 GEN CLASS	S-2	8	175			-
234-2	G234 GEN CLASS	S-2	8	175			-
234-3	G234 GEN CLASS	S-2	8	175			-
234-4	G234 GEN CLASS	S-2	8	175			-
Total				700	0	0	0%

G2-G236/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
236-1	G236 GEN CLASS	S-2	8	175			-
236-2	G236 GEN CLASS	S-2	8	175			-
236-3	G236 GEN CLASS	S-2	8	175			-
236-4	G236 GEN CLASS	S-2	8	175			-
Total				700	0	0	0%

G2-G239/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
239-1	G239 GEN CLASS	S-2	8	175			-
239-2	G239 GEN CLASS	S-2	8	175			-
239-3	G239 GEN CLASS	S-2	8	175			-
239-4	G239 GEN CLASS	S-2	8	175			-
Total				700	0	0	0%

G2-G240/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
240-1	G240 GEN CLASS	S-2	8	150			-
240-2	G240 GEN CLASS	S-2	8	150			-
240-3	G240 GEN CLASS	S-2	8	175			-
240-4	G240 GEN CLASS	S-2	8	150			-
Total				625	0	0	0%

G2-G241/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
241-1	G241 GEN CLASS	S-2	8	150			-
241-2	G241 GEN CLASS	S-2	8	150			-
241-3	G241 GEN CLASS	S-2	8	150			-
241-4	G241 GEN CLASS	S-2	8	175			-
Total				625	0	0	0%

G2-G242/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
242-1	G242 GEN CLASS	S-2	8	150			-
242-2	G242 GEN CLASS	S-2	8	150			-
242-3	G242 GEN CLASS	S-2	8	150			-
242-4	G242 GEN CLASS	S-2	8	175			-
Total				625	0	0	0%

G2-G210A 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
210A-1	G218 TECHER BREAKROOM	S-1	6	75			-
210A-2	G218 TECHER BREAKROOM	S-1	6	75			-
210A-3	G218 TECHER BREAKROOM	S-1	6	75			-
210A-4	G218 TECHER BREAKROOM	S-1	6	100			-
Total				325	0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: AHU/RTU

Asset: AHU-G3 AREA:FLOOR 3

Unit Data		
	Design	**Actual**
MFG	TRANE	TRANE
Serial Num	-	
Model Num	CSAA	CSAA021UA
Configuration	-	
Num PreFilter 1	-	
PreFilter Size 1	-	
Num PreFilter 2	-	
PreFilter Size 2	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	2@ 7.5
Motor Rpm	-	1800
Phase	-	3
Rated Voltage	-	460
Rated Amperage	-	
Service Factor	-	

Test Data		
	Design	**Actual**
SF CFM	11000	
SF RPM	2209	
RA CFM	7075	
OA CFM	3925	
RL Voltage	460	
RL Amperage	-	
VFD Max SetPt	-	
VFD Min SetPt	-	
SF Motor Freq(HZ)	75.00	
SF Flow Station (Kv)	-	
OA Flow Station (Kv)	-	
SF System SetPt	-	
RA Damper Position	-	
OA Damper Position	-	
Min OA Damper Position	-	
Brake Horse Power	14.262	

Performance Data		
	Design	**Actual**
Fan Suction SP	-	
Fan Discharge SP	-	
Total ESP	2.28	
Fan Total SP	5.10	
Pre-Filter P.D.	0.72	
Cooling Coil P.D.	1.08	
Heating Coil P.D.	0.05	

VAV - Single Duct

AHU-G3/FLOOR 3

Asset											
Asset Name	MFG	Model Num	Type	Inlet Size	Design Max CFM	Max CFM	Design Min CFM	Min CFM	Design Heat CFM	Heat CFM	Ak (max)
G3-G238	TRANE	VCWF10	REHEAT	10	900		450		450		
G3-G308	TRANE	VCWF14	REHEAT	14	1700		850		850		
G3-G309	TRANE	VCWF04	REHEAT	4	125		75		100		
G3-G310	TRANE	VCWF06	REHEAT	6	250		125		175		
G3-G311	TRANE	VCWF06	REHEAT	6	325		175		175		
G3-G324	TRANE	VCWF10	REHEAT	10	750		375		375		
G3-G325	TRANE	VCWF06	REHEAT	6	400		200		200		
G3-G331	TRANE	VCWF10	REHEAT	10	625		325		325		
G3-G332	TRANE	VCWF10	REHEAT	10	800		400		400		
G3-G333	TRANE	VCWF04	REHEAT	4	75		40		75		
G3-G334	TRANE	VCWF10	REHEAT	10	700		350		350		
G3-G335	TRANE	VCWF10	REHEAT	10	675		350		350		
G3-G336	TRANE	VCWF10	REHEAT	10	700		350		350		
G3-G339	TRANE	VCCF08	REHEAT	8	575		300		0		
G3-G341	TRANE	VCWF10	REHEAT	10	725		375		375		
G3-G342	TRANE	VCWF10	REHEAT	10	650		325		325		
G3-G343	TRANE	VCWF10	REHEAT	10	650		325		325		
G3-G330B 1	TRANE	VCWF06	REHEAT	6	450		225		225		

Diffuser Supply (GRD)

G3-G238/

Asset							
Asset Name	Location	Type	Size	DESIGN CFM	CFM(1)	FINAL CFM	% to design
238-1	G238 2D ART/PHOTOGRAPHY	S-2	8	175			-
238-2	G238 2D ART/PHOTOGRAPHY	S-2	8	200			-
238-3	G238 2D ART/PHOTOGRAPHY	S-2	8	200			-
238-4	G330 PHOTO LAB	S-2	8	125			-
238-5	G238 2D ART/PHOTOGRAPHY	S-2	8	200			-
Total				900	0	0	0%

G3-G308/FLOOR 3

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
308-1	G308 MEDIA CENTER	S-3	10	200			-
308-2	G308 MEDIA CENTER	S-3	10	200			-
308-3	G308 MEDIA CENTER	S-3	10	200			-
308-4	G308 MEDIA CENTER	S-3	10	200			-
308-5	G308 MEDIA CENTER	S-3	10	225			-
308-6	G308 MEDIA CENTER	S-3	10	225			-
308-7	G308 MEDIA CENTER	S-3	10	225			-
308-8	G308 MEDIA CENTER	S-3	10	225			-
Total				1700	0	0	0%

G3-G309/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
309-1	G309 OFFICE	S-2	8	125			-
Total				125	0	0	0%

G3-G310/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
310-1	G310 TV VIDEO PROD	S-1	6	75			-
310-2	G310A TV VIDEO PROD	S-1	6	175			-
Total				250	0	0	0%

G3-G311/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
311-1	G311 WORKROOM	S-1	6	225			-
311-2	G311 WORKROOM	S-1	6	100			-
Total				325	0	0	0%

G3-G324/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
324-1	G324 MEDIA ARTS	S-2	8	175			-
324-2	G324 MEDIA ARTS	S-2	8	175			-
324-3	G324A ART STORAGE	S-1	6	50			-
324-4	G324 MEDIA ARTS	S-2	8	175			-
324-5	G324 MEDIA ARTS	S-2	8	175			-
Total				750	0	0	0%

G3-G325/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
325-1	G340A WOMEN RR	S-1	6	75			-
325-2	G323 COLLAB	S-2	8	250			-
325-3	G340B MENS RR	S-1	6	75			-
Total				400	0	0	0%

G3-G331/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
331-1	G331 BIOLOGY	S-1	6	100			-
331-2	G331 BIOLOGY	S-1	6	75			-
331-3	G302 CORRIDOR	S-1	6	100			-
331-4	G331 BIOLOGY	S-1	6	100			-
331-5	G331 BIOLOGY	S-1	6	75			-
331-6	G331 BIOLOGY	S-1	6	100			-
331-7	G331 BIOLOGY	S-1	6	75			-
Total				625	0	0	0%

G3-G332/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
332-1	G332 GEN CLASS	S-2	8	200			-
332-2	G332 GEN CLASS	S-2	8	200			-
332-3	G332 GEN CLASS	S-2	8	200			-
332-4	G332 GEN CLASS	S-2	8	200			-
Total				800	0	0	0%

G3-G333/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
333-1	G333 ART DIRECTOR	S-1	6	75			-
Total				75	0	0	0%

G3-G334/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
334-1	G334 GEN CLASS	S-2	8	175			-
334-2	G334 GEN CLASS	S-2	8	175			-
334-3	G334 GEN CLASS	S-2	8	175			-
334-4	G334 GEN CLASS	S-2	8	175			-
Total				700	0	0	0%

G3-G335/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
335-1	G335 HS PHYSICS	S-1	6	75			-
335-2	G335 HS PHYSICS	S-1	6	100			-
335-3	G304 CORRIDOR	S-1	6	100			-
335-4	G335 HS PHYSICS	S-1	6	100			-
335-5	G335 HS PHYSICS	S-1	6	75			-
335-6	G335 HS PHYSICS	S-1	6	100			-
335-7	G335 HS PHYSICS	S-1	6	75			-
335-8	G337 PREP	S-1	6	50			-
Total				675	0	0	0%

G3-G336/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
336-1	G336 GEN CLASS	S-2	8	175			-
336-2	G336 GEN CLASS	S-2	8	175			-
336-3	G336 GEN CLASS	S-2	8	175			-
336-4	G336 GEN CLASS	S-2	8	175			-
Total				700	0	0	0%

G3-G339/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
339-1	G339 IDF	S-11		575			-
Total				575	0	0	0%

G3-G341/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
341-1	G341 GEN CLASS	S-2	8	175			-
341-2	G341 GEN CLASS	S-2	8	175			-
341-3	G341 GEN CLASS	S-2	8	200			-
341-4	G341 GEN CLASS	S-2	8	175			-
Total				725	0	0	0%

G3-G342/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
342-1	G342 GEN CLASS	S-2	8	150			-
342-2	G342 GEN CLASS	S-2	8	150			-
342-3	G342 GEN CLASS	S-2	8	175			-
342-4	G342 GEN CLASS	S-2	8	175			-
Total				650	0	0	0%

G3-G343/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
343-1	G343 MAKER SPACE	S-2	8	150			-
343-2	G343 MAKER SPACE	S-2	8	150			-
343-3	G343 MAKER SPACE	S-2	8	175			-
343-4	G343 MAKER SPACE	S-2	8	175			-
Total				650	0	0	0%

G3-G330B 1/

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
330B-1	G328A ARTS STORAGE	S-1	6	50			-
330B-2	G330B DARK RM/PROC	S-1	6	100			-
330B-3	G330B DARK RM/PROC	S-1	6	100			-
330B-4	G330B DARK RM/PROC	S-1	6	100			-
330B-5	G330A LIGHT TRAP	S-1	6	100			-
Total				450	0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G1 G128 AREA:G128 CERAMICS RM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1000	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G1 G128/G128 CERAMICS RM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E128-1	G128 CERAMICS	E-4	12	850				-
E128-2	G128A ARTS STORAGE	E-2	8	150				-
Total				1000		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G1 G224 AREA:G224 PAINT RM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1000	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G1 G224/G224 PAINT RM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E224-1	G224A ART STORAGE	E-2	8	150				-
E224-2	G224 DRAW/PAINT	E-5	14	850				-
Total				1000		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G10 G331 AREA:G331 SCIENCE LAB

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	ACRU-D VF
Serial Num	-	
Type	CRE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1225	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G10 G331/G331 SCIENCE LAB

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E331-1	G331 HS BIOLOGY	E-4	12	625				-
E331-2	G331 HS BIOLOGY	E-4	12	625				-
Total				1250		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G10 G335 AREA:G335 SCIENCE LAB

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	ACRU-D VF
Serial Num	-	
Type	CRE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1225	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G10 G335/G335 SCIENCE LAB

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E335-1	G335 HS PHYSICS	E-4	12	625				-
E335-2	G335 HS PHYSICS	E-4	12	625				-
Total				1250		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G11 G324 AREA:G324 ART ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	ACRU-D VF
Serial Num	-	
Type	CRE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1000	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G11 G324/G324 ART ROOM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E324-1	G324 MEDIA ARTS	E-5	14	850				-
E324-2	G324A ARTS STORAGE	E-2	8	150				-
Total				1000		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G11 G328 AREA:G328 ART ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	ACRU-D VF
Serial Num	-	
Type	CRE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1000	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

National TAB

Project:CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-G11 G328/G328 ART ROOM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E328-1	G328A ART STORAGE	E-2	8	150				-
E328-2	G328 PHOTOGRAPHY	E-5	14	850				-
Total				1000		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G12 G337 AREA:G337 PREP ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	ACRU-D VF
Serial Num	-	
Type	CRE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.125
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	300	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

National TAB

Project:CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-G12 G337/G337 PREP ROOM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E337-1	G337 PREP	E-3	10	300				-
Total				300		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G13 G330B 1 AREA:G330B PROCESSING LAB

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	ACRU-D VF
Serial Num	-	
Type	CRE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	1.00
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	2400	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	1.25	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G13 G330B 1/G330B PROCESSING LAB

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E330B-1	G330B PROCESSING LAB	DUCT	8	1200				-
E330B-2	G330B PROCESSING LAB	DUCT	8	1200				-
Total				2400		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G14 G126 AREA:G126 ELECTRIC ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.167
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	400	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.125	
Brake Horse Power	-	

Diffuser Supply (GRD)

EF-G14 G126/G126 ELECTRIC ROOM

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
126-1	G126 ELECTRIC	S-11		400			-
Total				400	0	0	0%

Diffuser Ret/Exh (GRD)

EF-G14 G126/G126 ELECTRIC ROOM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E126-1	G126 ELECTRIC	E-11		400				-
Total				400		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G14 G226 AREA:G226 ELECTRIC ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.167
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	400	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.125	
Brake Horse Power	-	

Diffuser Supply (GRD)

EF-G14 G226/G226 ELECTRIC ROOM

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
226-1	G226 ELECTRIC	S-11		400			-
Total				400	0	0	0%

Diffuser Ret/Exh (GRD)

EF-G14 G226/G226 ELECTRIC ROOM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E226-1	G226 ELECTRIC	E-11		400				-
Total				400		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G14 G326 AREA:G326 ELECTRIC ROOM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.167
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	400	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.125	
Brake Horse Power	-	

Diffuser Supply (GRD)

EF-G14 G326/G326 ELECTRIC ROOM

Asset							
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**CFM(1)**	**FINAL CFM**	**% to design**
326-1	G326 ELECTRIC	S-11		400			-
Total				400	0	0	0%

Diffuser Ret/Exh (GRD)

EF-G14 G326/G326 ELECTRIC ROOM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E326-1	G326 ELECTRIC	E-11		400				-
Total				400		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G2 G131 AREA:G131 SCIENCE LAB

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1050	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G2 G131/G131 SCIENCE LAB

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E131-1	G131 MS SCIENCE	E-4	12	625				-
E131-2	G131 MS SCIENCE	E-4	12	625				-
Total				1250		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G2 G136 AREA:G136 SCIENCE LAB

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1050	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G2 G136/G136 SCIENCE LAB

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E136-1	G136 MS SCIENCE	E-4	12	625				-
E136-2	G136 MS SCIENCE	E-4	12	625				-
Total				1250		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G3 G228 AREA:G228 FUME HOOD

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	850	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.75	
Brake Horse Power	-	

National TAB

Project:CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-G3 G228/G228 FUME HOOD

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E228-1	G228 PRINTMAKING	DUCT	14	850				-
E228-2	G228A ART STORAGE	E-2	8	150				-
Total				1000		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G3 G124A 1 AREA:G124A FUME HOOD

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	850	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.75	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G3 G124A 1/G124A FUME HOOD

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E124-1	G124 SCULPTURE	DUCT	14	850				-
Total				850		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G3 G124B 1 AREA:G124B FUME HOOD

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	850	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.75	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G3 G124B 1/G124B FUME HOOD

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E124B-1	G124 SCULPTURE	DUCT	14	850				-
Total				850		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G4 G124C 1 AREA:G124C KILN

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.50
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	600	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G4 G128B 1 AREA:G128B KILN

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.50
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	600	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G5 G227 AREA:G227 CHEM RM/FUME HOOD

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.50
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1525	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.75	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G5 G227/G227 CHEM RM/FUME HOOD

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E227-1	G227 HS CHEMISTRY	DUCT	14	850				-
E227-2	G227 HS CHEMISTRY	E-4	12	675				-
Total				1525		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G6 G227A 1 AREA:G227A PREP RM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.125
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	200	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G6 G227A 1/G227A PREP RM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E227A-1	G227A PREP	E-3	10	200				-
Total				200		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G7 G231 AREA:G231 SCIENCE LAB

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.50
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	1225	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

Diffuser Ret/Exh (GRD)

EF-G7 G231/G231 SCIENCE LAB

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E231-1	G231 HS SCIENCE	E-4	12	600				-
E231-2	G231 HS SCIENCE	E-4	12	625				-
Total				1225		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G8 G133 AREA:G133 PREP RM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.125
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	325	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

National TAB

Project:CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-G8 G133/G133 PREP RM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E133-1	G133 PREP	E-3	10	325				-
Total				325		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G8 G229 AREA:G229 PREP RM

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	SQN-D VF
Serial Num	-	
Type	INLINE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	0.125
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	115
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	325	
Motor Frequency	-	
System SetPt	-	
RL Voltage	115	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.30	
Brake Horse Power	-	

National TAB

Project:CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-G8 G229/G229 PREP RM

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
E229-1	G229 PREP	E-2	8	200				-
E229-2	G227C CHEM STORAGE	E-2	8	125				-
Total				325		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Exhaust

Asset: EF-G9 RR EA 1 AREA:RESTROOMS

Unit Data		
	Design	**Actual**
MFG	COOK	COOK
Model Num	NA	ACRU-D VF
Serial Num	-	
Type	CRE	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	1.25
Motor Rpm	-	1725
Phase	-	1
Voltage (rated)	-	208
Amperage (rated)	-	
Service Factor	-	

Test Data		
	Design	**Actual**
CFM	3600	
Motor Frequency	-	
System SetPt	-	
RL Voltage	208	
RL Amperage	-	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	

National TAB

Project:CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

FAN - Exhaust

Diffuser Ret/Exh (GRD)

EF-G9 RR EA 1/RESTROOMS

Asset								
Asset Name	**Location**	**Type**	**Size**	**DESIGN CFM**	**AK**	**CFM(1)**	**FINAL CFM**	**% to design**
RR-1	G340B MENS RR	E-4	12	450				-
RR-2	G329 STAFF RR	E-1	6	75				-
RR-3	G340A WOMEN RR	E-4	12	450				-
RR-4	G340 CUSTODIAL	E-10		50				-
RR-5	G237A WOMEN RR	E-4	12	450				-
RR-6	G237B MENS RR	E-4	12	450				-
RR-7	G235 CUSTODIAL	E-10		50				-
RR-8	G219 STAFF RR	E-1	6	75				-
RR-9	G220B WELLNESS B	E-1	6	75				-
RR-10	G220 WELLNESS	E-1	6	75				-
RR-11	G220A WELLNESS A	E-1	6	75				-
RR-12	G138B MENS RR	E-4	12	450				-
RR-13	G138A WOMEN RR	E-4	12	450				-
RR-14	G134A EC RR	E-3	10	150				-
RR-15	G138 CUSTODIAL	E-10		0				-
RR-16	G114 UNISEX RR	E-1	6	75				-
RR-17	G116 UNISEX RR	E-1	6	75				-
RR-18	G142A TLT	E-1	6	75				-
Total				3550		0	0	0%

National TAB

Project: CMS NWSA P2 New Bldg & Reno (Charlotte, NC)

System/Unit: FAN - Relief

Asset: RAF-G1 AREA:AHU-G1,G2,G3 RELIEF

Unit Data		
	Design	**Actual**
MFG	NA	COOK
Model Num	NA	ACE-B
Serial Num	-	

Motor Data		
	Design	**Actual**
Motor MFG	-	
Frame	-	
Horsepower	-	5.0
Motor Rpm	-	1725
Phase	-	3
Voltage (rated)	-	460
Amperage (rated)	-	7.6
Service Factor	-	

Drive Data	
	Actual
Motor Sheave Size	
Motor Bore Size	
Fan Sheave Size	
Fan Sheave Bore	
Belt CL Distance	
Num of Belts	
Belt Size	

Test Data		
	Design	**Actual**
CFM	15750	
Relief Fan RPM	1725	
Motor Frequency	-	
RL Voltage	460	
RL Amperage	7.6	
Suction ESP	-	
Discharge ESP	-	
Total ESP	0.50	
Brake Horse Power	-	